

Section 9 Mitigation Measures

9.1 Introduction

Mitigation measures are measures envisaged to prevent, reduce and, as fully as possible, offset any significant adverse impacts on the environment of implementing the Plan.

Various environmental sensitivities and issues have been communicated to the Council through the SEA, Appropriate Assessment (AA) and Strategic Flood Risk Assessment (SFRA) processes. By integrating all related recommendations into the Plan, the Council have ensured that both the beneficial environmental effects of implementing the Plan have been and will be maximised and that potential adverse effects have been and will be avoided, reduced or offset.

9.2 Strategic work done by the Council to ensure contribution towards environmental protection and sustainable development

Far in advance of both the submission of the pre-Draft Plan to the Elected Members for approval and the placing of the Draft Plan (and associated SEA, AA and SFRA documents) on public display, Dún Laoghaire-Rathdown County Council undertook various works in order to inform the preparation of the Plan.

The findings of this strategic work have been integrated into the Plan and will be implemented when it is adopted, contributing towards both environmental protection and management and sustainable development within the County.

Strategic work done by the Council includes the preparation of the following:

- Background work in relation to the Sustainable Communities Strategy
- Background work in relation to the Enterprise and Employment Strategy

- Background work in relation to the Physical Infrastructure Strategy
- Background work in relation to the Built Heritage Strategy
- Background work in relation to the Community Strategy
- Housing Strategy
- Ecological Network
- Review of Wind Energy Strategy
- Review of Landscape Character Areas
- Green Infrastructure Strategy
- Review of DLUFP
- Review of SUIFP
- Climate Change proofing

The undertaking of this SEA process as well as the undertaking of the AA and SFRA were part of this strategic work and contributed towards the integration of environmental considerations into individual Plan provisions as detailed under Section 9.3 below.

9.3 Integration of Individual SEA, AA and SFRA Provisions into the Plan

Various policies and objectives have been integrated into the Plan through the SEA, SFRA and AA processes.

Table 9.1 links these key mitigation measure(s) to the likely significant effects of implementing the Plan, if unmitigated. The integration of these measures into the Plan occurred over a number of iterations and was informed by, inter alia, various communications through the SEA, AA and SFRA processes. The recommendations were often considered simultaneously and were integrated by the Plan-preparation team across a number of provisions.

The measures generally benefit multiple environmental components i.e. a measure providing for the protection of biodiversity, flora and fauna could beneficially impact upon the minimisation of flood risk and the protection of human health, for example.

Table 9.1 Integration of Environmental Considerations into the Plan

Potentially Significant Effect, if unmitigated	Environmental considerations that have integrated into the Plan
<p>Loss of biodiversity with regard to Natura 2000 Sites and Annexed habitats and species</p> <p>& Loss of biodiversity with regard to designated sites including Wildlife Sites and listed species</p>	<p>Policy LHB19: Protection of Natural Heritage and the Environment*</p> <p>Policy LHB20: Habitats Directive*</p> <p>Policy LHB22: Designated Sites*</p> <p>Policy LHB27: Geological Sites</p> <p>Development Management 8.2.2 (v) Appropriate Assessment</p> <p>Development Management 8.2.9.4 Appropriate Assessment</p> <p>Development Management 8.2.7.1 Biodiversity</p> <p>Policy LHB16: National Park*</p> <p>Appropriate Assessment & Coastal Cycling Infrastructure Objective</p> <p>Policy EI1: Water Supply & Appropriate Assessment</p> <p>Policy EI2: Wastewater Treatment & Appropriate Assessment*</p> <p>Policy EI3: Surface Water Drainage & Appropriate Assessment*</p> <p>Policy EI4: Groundwater Protection & Appropriate Assessment</p>
<p>Loss of biodiversity with regard to ecological connectivity, stepping stones and non-designated biodiversity</p>	<p>Policy LHB23: Non-Designated Areas of Biodiversity Importance*</p> <p>Policy LHB 24: County-Wide Ecological Network*</p> <p>Policy LHB25 Rivers and Waterways*</p> <p>Policy LHB26: Hedgerows*</p> <p>Policy LHB29: Invasive Species</p>
<p>Spatially concentrated deterioration in human health</p>	<p>Policy CC10: Radon Gas</p> <p>Policy EI25: Major Accidents</p> <p>Policy EI20: Air and Noise Pollution</p> <p>Also see measures related to soil, water quality, flooding, waste water treatment and drinking water supply and quality.</p>
<p>Damage to the hydrogeological and ecological function of the soil resource</p>	<p>Development Management 8.2.9.7 New Developments–Environmental Impacts</p> <p>Also see measures related to water quality and waste water treatment.</p>
<p>Adverse impacts upon the status and quality of water bodies, including bathing waters</p>	<p>Policy EI22: Water Pollution</p> <p>Policy EI23: Rathmichael Ground and Surface Water Protection</p> <p>Policy EI3: Surface Water Drainage & Appropriate Assessment*</p> <p>Policy EI4: Groundwater Protection & Appropriate Assessment</p> <p>Policy EI6: Integrated Water Management Plans*</p> <p>Policy EI7: Water Quality Management Plans</p> <p>Policy EI8: Sustainable Drainage Systems*</p> <p>Policy EI10: Storm Overflows of Sewage to Watercourses*</p> <p>Policy LHB10: Beaches</p> <p>Also see measures related to water quality and waste water treatment.</p>
<p>Increase in the risk of flooding</p>	<p>Policy CC14: Catchment Flood Risk Assessment and Management (CFRAM)*.</p> <p>Policy CC15: Flood Risk Management*.</p> <p>Policy CC16: Cross-Boundary Flood Management</p> <p>Policy CC17: Coastal Defence*.</p> <p>Policy EI8: Sustainable Drainage Systems*</p> <p>Policy EI9: Stormwater Impact Assessments*</p> <p>Policy LHB23 Rivers and Waterways*</p>
<p>Failure to provide adequate and appropriate waste water treatment & Failure to comply with drinking water regulations and serve new development with adequate drinking water that is both wholesome and clean</p>	<p>Policy EI5: Water Supply and Wastewater*</p> <p>Policy EI11: Water Services Investment Programme*</p> <p>Development Management 8.2.9.3 Environmental Impact Assessment</p>
<p>Failure to contribute towards sustainable transport and associated impacts (including emissions)</p>	<p>See Sustainable Communities Strategy in Section 2 of the Plan.</p> <p>Also:</p> <p>Policy CC1: National Climate Change Adaptation Framework.*</p> <p>Policy CC2: Development of National Climate Change Policy and Legislation.*</p> <p>Policy CC3: Development of National Energy Policy and Legislation.*</p> <p>Policy CC4: Sustainable Energy Action Plan*</p> <p>Policy CC5: Limiting Emissions of Greenhouse Gases.*</p>
<p>Increases in waste levels</p>	<p>Policy EI12: Waste Management Strategy*</p> <p>Policy EI13: Waste Plans</p> <p>Policy EI14: Private Waste Companies</p> <p>Policy EI15: Waste Prevention and Reduction*</p> <p>Policy EI16: Waste Re-use and Re-cycling*</p> <p>Policy EI17: Refuse Disposal*</p> <p>Policy EI18: Hazardous Waste</p> <p>Policy EI19: Rehabilitation of the Former Ballyogan Landfill</p>

Potentially Significant Effect, if unmitigated	Environmental considerations that have integrated into the Plan
Effects on entries to the Record of Monuments and Places and other archaeological heritage	Policy AH1: Protection of Archaeological Heritage Policy AH2: Protection of Archaeological Material in Situ Policy AH3: Protection of Historic Towns Policy AH4: Carrickmines Castle Site Policy AH5: Historic Burial Grounds Policy AH6: Underwater Archaeology
Effects on entries to the Records of Protected Structures, Architectural Conservation Areas and other architectural heritage	Policy AR1: Record of Protected Structures Policy AR2: Protected Structures Applications and Documentation Policy AR3: Protected Structures and Building Regulations Policy AR4: National Inventory of Architectural Heritage (NIAH) Policy AR5: Buildings of Heritage Interest Policy AR6: Protection of Buildings in Council Ownership Policy AR7: Energy Efficiency of Protected Structures Policy AR8: Nineteenth and Twentieth Century Buildings, Estates and Features Policy AR9: Protection of Historic Street Furniture Policy AR10: Protection of Coastline Heritage Policy AR11: Industrial Heritage Policy AR12: Architectural Conservation Areas Policy AR13: Demolition within an ACA Policy AR14: Shopfronts within an ACA Policy AR15: Public Realm and Public Utility works within an ACA Policy AR16: Candidate Architectural Conservation Areas (CACA) Policy AR17: Development within a cACA
Occurrence of adverse visual impacts	Policy LHB2: Preservation of Landscape Character Areas* Policy LHB3: Seascape Policy LHB4: High Amenity Zones* Policy LHB5: Historic Landscape Character Areas Policy LHB6: Views and Prospects Policy LHB7: Coastal Zone Management and Dublin Bay* Policy EI21: Light Pollution